

**EAST Search History**

| Ref # | Hits    | Search Query   | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---------------------------------|------------------|---------|------------------|
| L1    | 232304  | MEA or (membrane near2 electrode near2 assembly)                             | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 10:29 |
| L2    | 271367  | (water near2 repellent) or hydropho\$4                                       | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 10:29 |
| L3    | 26575   | (cloth or mesh or woven) with carbon   | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 10:29 |
| L4    | 1144    | L2 and L3 and L1   | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 10:29 |
| L5    | 405     | 2 with concentration with (vary\$5 or differ\$4)                             | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 10:30 |
| L6    | 7       | 4 and 5  | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 10:30 |
| L7    | 257761  | thickness with (center or peripher\$4 or edge)                               | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 11:44 |
| L8    | 4197965 | pressure press pressed compress  | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 11:44 |
| L9    | 4110    | gas near2 diffusion near2 layer  | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 11:44 |
| L10   | 22      | 7 same 8 same 9  | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/18 11:44 |
| S1    | 2       | "US 20080311462"   | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2009/06/08 16:00 |
| S2    | 30      | ((MASAKI) near2 (YAMAUCHI)).INV.   | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/08 16:03 |
| S3    | 127     | ((YOSHIHIRO) near2 (HORI)).INV.  | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/08 16:04 |
| S4    | 106     | ((AKIHIKO) near2 (YOSHIDA)).INV.   | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/08 16:04 |
| S5    | 6       | ((MIKIKO) near2 (YOSHIMURA)).INV.  | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/08 16:04 |
| S6    | 116     | ((MAKOTO) near2 (UCHIDA)).INV.   | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/08 16:04 |
| S7    | 20      | (S2 or S3 or S4 or S5 or S6) and (diffusion and membrane and thickness).clm. | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/08 16:06 |
| S8    | 2       | ((20040058223") or ("20030003342")).PN.                                      | US-PGPUB; USPAT; USOCR          | OR               | OFF     | 2009/06/17 15:42 |
| S9    | 232261  | MEA or (membrane near2 electrode near2 assembly)                             | US-PGPUB; USPAT; USOCR          | OR               | ON      | 2009/06/17 15:57 |

|     |         |   |                        |    |     |                  |
|-----|---------|---|------------------------|----|-----|------------------|
| S10 | 12753   | PEM or (polymer near2 electrode near2 membrane) | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 15:58 |
| S11 | 580078  | catalyst  | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 15:58 |
| S12 | 21050   | gas near2 diffusion                             | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 15:58 |
| S13 | 1020790 | fiber or fibrous                                | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 15:58 |
| S14 | 133351  | thickness with (center or peripher\$4)          | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 15:58 |
| S15 | 20331   | thread near2 diameter                           | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 15:59 |
| S16 | 166     | warp with weft with (thread near3 count)        | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 15:59 |
| S17 | 270932  | (water near2 repellent) or hydropho\$4          | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:00 |
| S18 | 3       | S12 same S13 same S14                           | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:00 |
| S19 | 59235   | ("429").CLAS.                                   | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/06/17 16:06 |
| S20 | 1       | S16 and S19                                     | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:06 |
| S21 | 4       | S14 and S16                                     | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:06 |
| S22 | 2       | S12 and S16                                     | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:08 |
| S23 | 527     | S9 and (S12 with S13)                           | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:10 |
| S24 | 26      | S23 and S14                                     | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:10 |
| S25 | 26535   | (cloth or mesh or woven) with carbon            | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:21 |
| S26 | 97      | S12 and S25 and S14                             | US-PGPUB; USPAT; USOCR | OR | ON  | 2009/06/17 16:21 |
| S27 | 11178   | gas near2 diffusion                             | EPO; JPO; DERWENT      | OR | ON  | 2009/06/17 17:50 |
| S28 | 9862    | (cloth or mesh or woven) with carbon            | EPO; JPO; DERWENT      | OR | ON  | 2009/06/17 17:50 |
| S29 | 42287   | thickness with (center or peripher\$4)          | EPO; JPO; DERWENT      | OR | ON  | 2009/06/17 17:50 |
| S30 | 0       | S27 and S28 and S29                             | EPO; JPO; DERWENT      | OR | ON  | 2009/06/17 17:50 |
| S31 | 237     | S27 and S28                                     | EPO; JPO; DERWENT      | OR | ON  | 2009/06/17 17:50 |
| S32 | 0       | S27 and S28 and (thread near2 diameter)         | EPO; JPO; DERWENT      | OR | ON  | 2009/06/17 17:51 |

6/18/2009 12:22:39 PM

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